

**To:** Daly, Eric[Daly.Eric@epa.gov]  
**From:** Nwosu, Bernard  
**Sent:** Mon 6/27/2016 9:13:53 PM  
**Subject:** Re: NFB Soil Data and PRG update

Great! Thanks,

*Ben Nwosu*  
**Senior Project Scientist / Group Leader**  
Weston Solutions, Inc.  
RST3/ED2

Sent from my mobile device  
On Jun 27, 2016, at 4:52 PM, Daly, Eric <Daly.Eric@epa.gov> wrote:

Thanks Ben.

Lyndsey's said:

List the results exactly how they are in the analytical lab report:

Uranium-233/234 (U-233/234)
Uranium-235/236 (U-235/236)

Only use the PRG (SSAL) listed for U-234 for the U-233/234 and U-235 for U-235/236. Since you cannot separate out U-233 from U-234 nor U-236 from U-235, the only PRGs that we can use are U-234 and U-235. Basically, just ignore U-233 and U-236.

---

**From:** Nwosu, Bernard [mailto:Ben.Nwosu@WestonSolutions.com]  
**Sent:** Monday, June 27, 2016 4:41 PM  
**To:** Daly, Eric <Daly.Eric@epa.gov>  
**Subject:** RE: NFB Soil Data and PRG update

See page from Pg. 23 of the attached validated lab report from which the attached data table was updated. The combined radionuclides without SSAL are highlighted in purple on the attached data table.

Please let me know if this is the information you need. If I do not respond after this email, that means I am now driving home.

*Ben Nwosu*  
**Senior Project Scientist / Group Leader**  
Weston Solutions, Inc.

**From:** Daly, Eric [<mailto:Daly.Eric@epa.gov>]  
**Sent:** Monday, June 27, 2016 4:33 PM  
**To:** Nwosu, Bernard <[Ben.Nwosu@WestonSolutions.com](mailto:Ben.Nwosu@WestonSolutions.com)>  
**Subject:** RE: NFB Soil Data and PRG update

Yes.....we are just really busy and if you could just give specific report page and highlight one example of what you are asking.

---

**From:** Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]  
**Sent:** Monday, June 27, 2016 4:32 PM  
**To:** Daly, Eric <[Daly.Eric@epa.gov](mailto:Daly.Eric@epa.gov)>  
**Subject:** RE: NFB Soil Data and PRG update

Do you mean the lab report?

**Ben Nwosu**  
Senior Project Scientist / Group Leader  
Weston Solutions, Inc.

---

**From:** Daly, Eric [<mailto:Daly.Eric@epa.gov>]  
**Sent:** Monday, June 27, 2016 4:30 PM  
**To:** Nguyen, Lyndsey <[Nguyen.Lyndsey@epa.gov](mailto:Nguyen.Lyndsey@epa.gov)>; Nwosu, Bernard <[Ben.Nwosu@WestonSolutions.com](mailto:Ben.Nwosu@WestonSolutions.com)>  
**Subject:** RE: NFB Soil Data and PRG update

Sorry Ben....could you please send us the reports you are pulling this from?

---

**From:** Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]  
**Sent:** Thursday, June 16, 2016 3:13 PM  
**To:** Daly, Eric <[Daly.Eric@epa.gov](mailto:Daly.Eric@epa.gov)>; Nguyen, Lyndsey <[Nguyen.Lyndsey@epa.gov](mailto:Nguyen.Lyndsey@epa.gov)>  
**Cc:** Lisichenko, Peter <[Peter.Lisichenko@westonsolutions.com](mailto:Peter.Lisichenko@westonsolutions.com)>  
**Subject:** RE: NFB Soil Data and PRG update

Eric/Lyndsey,

Please advise on the following radionuclide analytes presented by the lab. Each of these combined analyses were reported with a single result value per sample.

Uranium-233/234 (U-233/234)
Uranium-235/236 (U-235/236)

How would you like me to assign PRG values to combined analytes. U-233 and U-236 have no assigned EPA PRG values. However, PRG values have been assigned for U-234 and U-235.

Thanks,

**Ben Nwosu**  
Senior Project Scientist / Group Leader  
Weston Solutions, Inc.

---

**From:** Nwosu, Bernard  
**Sent:** Thursday, June 16, 2016 2:19 PM  
**To:** 'Daly, Eric' <[Daly.Eric@epa.gov](mailto:Daly.Eric@epa.gov)>; Nguyen, Lyndsey (<[Nguyen.Lyndsey@epa.gov](mailto:Nguyen.Lyndsey@epa.gov)>) <[Nguyen.Lyndsey@epa.gov](mailto:Nguyen.Lyndsey@epa.gov)>

Cc: [peter.lisichenko@westonsolutions.com](mailto:peter.lisichenko@westonsolutions.com)

Subject: RE: NFB Soil Data and PRG update

Eric/Lyndsey,

Please review the attached PRG list and clarify if you want me to include the highlighted radionuclides to all the data tables. Note that the highlighted radionuclides were never found in any soil samples in all the sampling events conducted at all 3 NY Rad. sites. Based on my count, 18 nuclides have been detected in one or more sampling events at all 3 sites. Bi-210, Pa-234, and Ra-224 were not detected in any sample/sampling event.

I intend to make this 18-nuclide list a standard for all the sites. If any nuclide was not reported by the lab it will assumed to be not detected (ND). In the updated PRG list (email attached), Lyndsey removed Ra-224 from the NFB list and added Pb-210.

I am updating the NFB tables as you requested. I will send them to you as soon as it is completed.

Please let me know if you have any comments or questions.

Thanks,

***Ben Nwosu***

Senior Project Scientist / Group Leader

Weston Solutions, Inc.

---

**From:** Daly, Eric [<mailto:Daly.Eric@epa.gov>]

**Sent:** Wednesday, June 15, 2016 3:57 PM

**To:** Nwosu, Bernard <[Ben.Nwosu@WestonSolutions.com](mailto:Ben.Nwosu@WestonSolutions.com)>; Lisichenko, Peter <[Peter.Lisichenko@westonsolutions.com](mailto:Peter.Lisichenko@westonsolutions.com)>

**Subject:** NFB Soil Data

Hi Ben:

How are you? Can you refresh my memory on where we left off with the PRGs (SSAL) value? I know you were waiting for one nuclide at one point. I believe the most recent soil sample data from the March 2016, GNBC interior have all the values. Do we have more recent versions of the NFB Table 9 (SAT) and NFB Table 8A (2015 Weston)? The February validated is what I have and those SSALs are old. Also, there is no SSAL for Ra-226. I know that those samples did not have 21 day in-growth but we need to list the PRG there and not N/S.

I hope all is well.

Thanks

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately", Benjamin Franklin  
Eric M. Daly

On-Scene Coordinator/Radiological Response Specialist  
US Environmental Protection Agency- Region II  
ERRD/RPB/PPS  
2890 Woodbridge Avenue  
Edison, NJ 08837  
[daly.eric@epa.gov](mailto:daly.eric@epa.gov)  
732-321-4350

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.